

**FIG. 1**

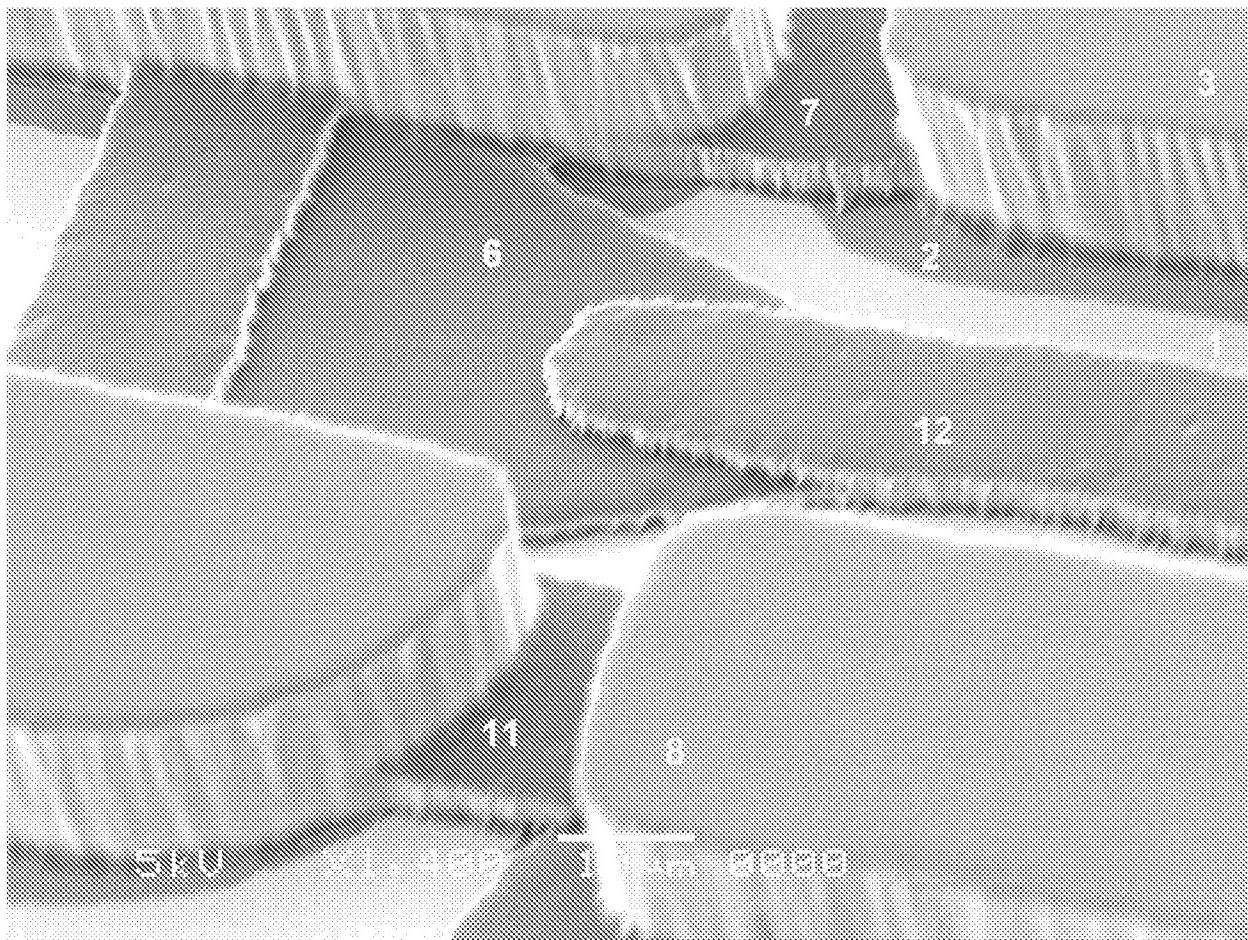


FIG. 2

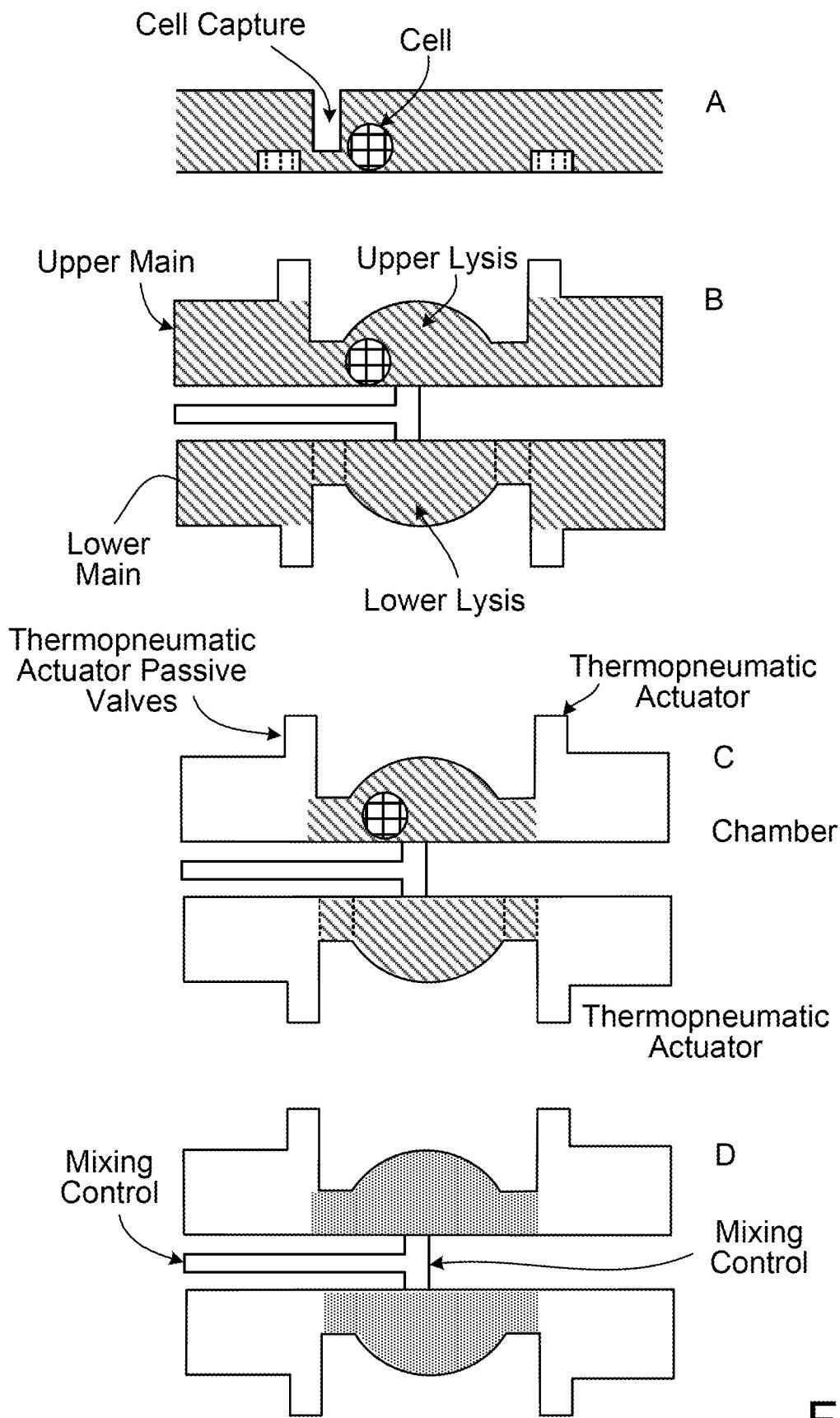


FIG. 3

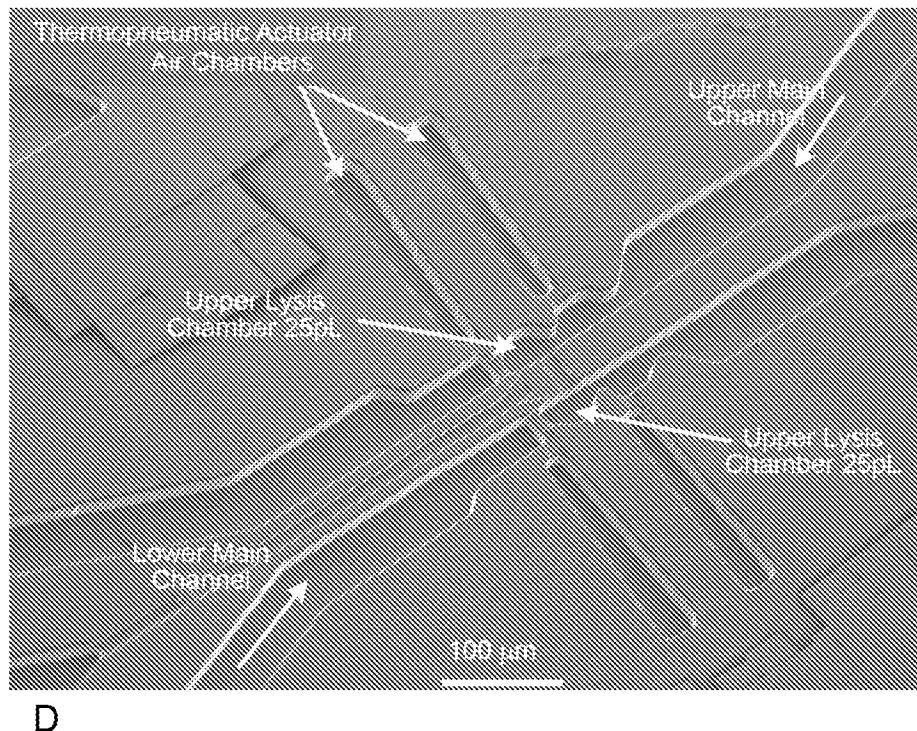
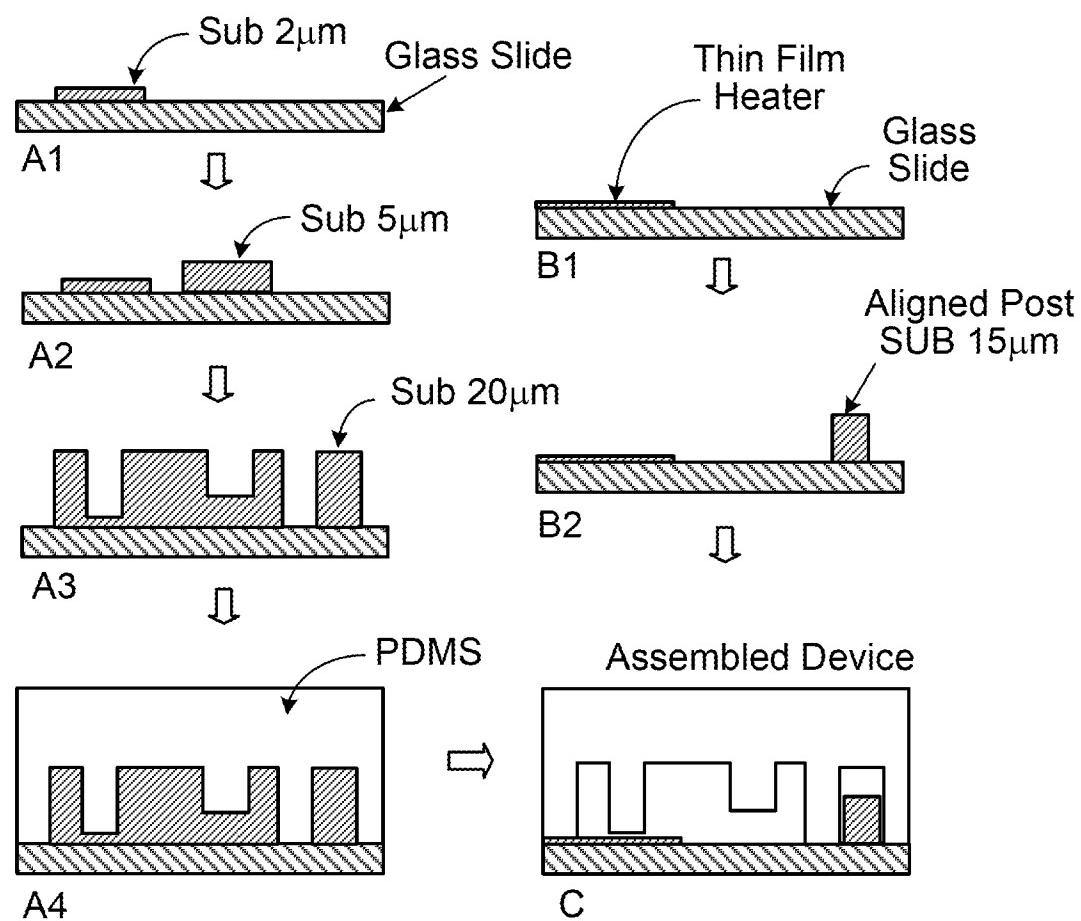


FIG. 4

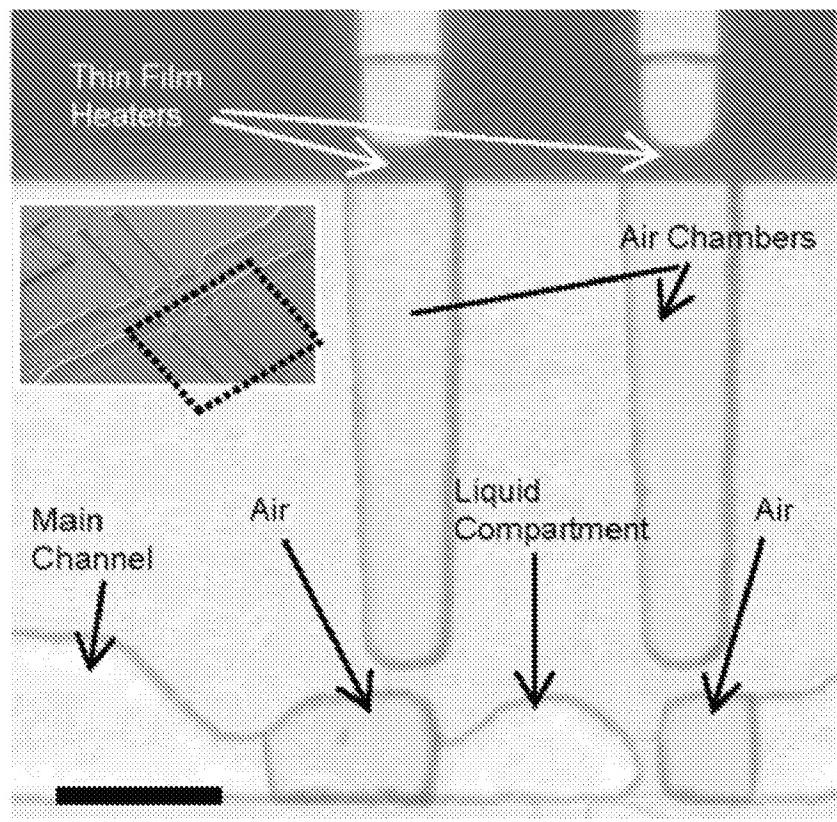


FIG. 5A

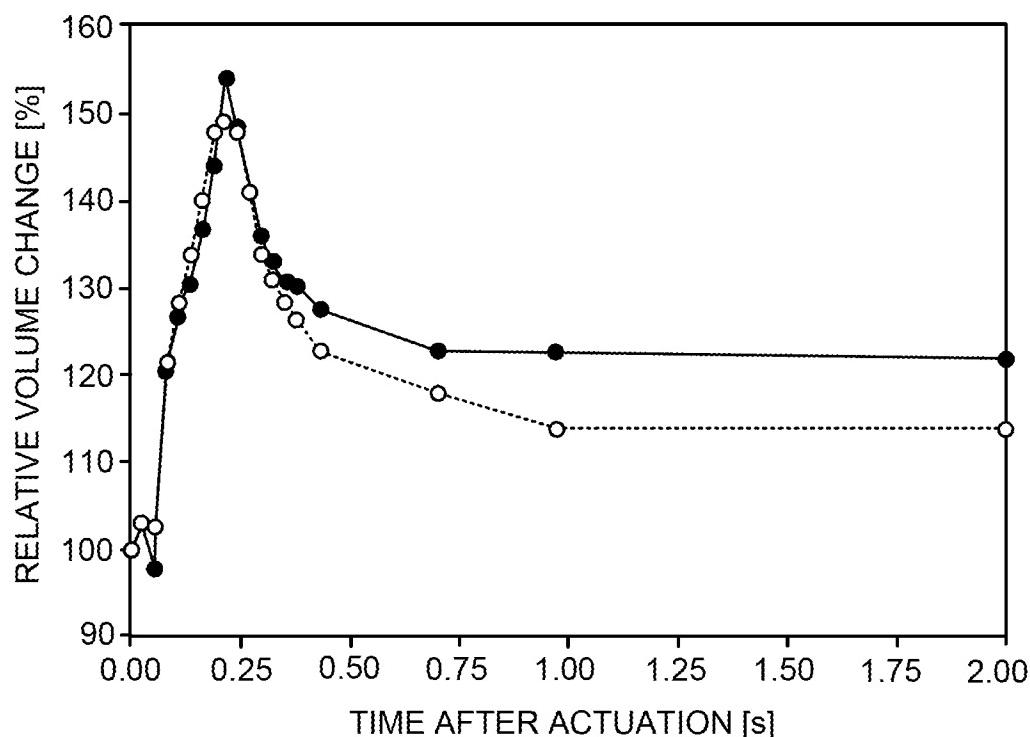
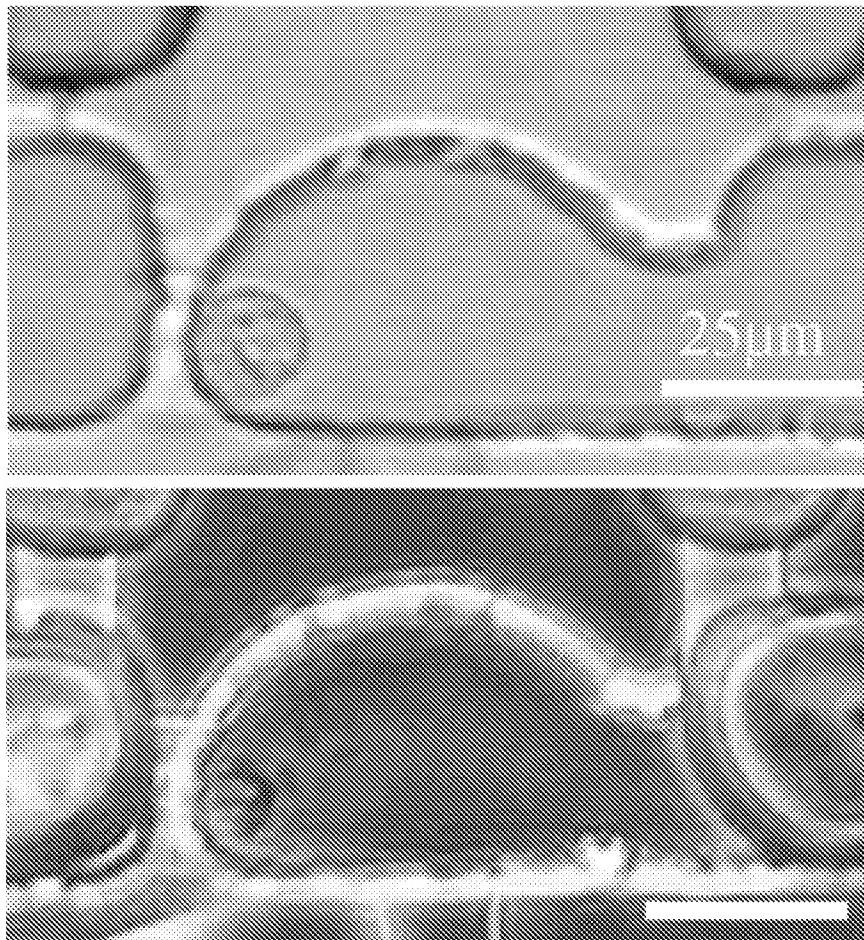
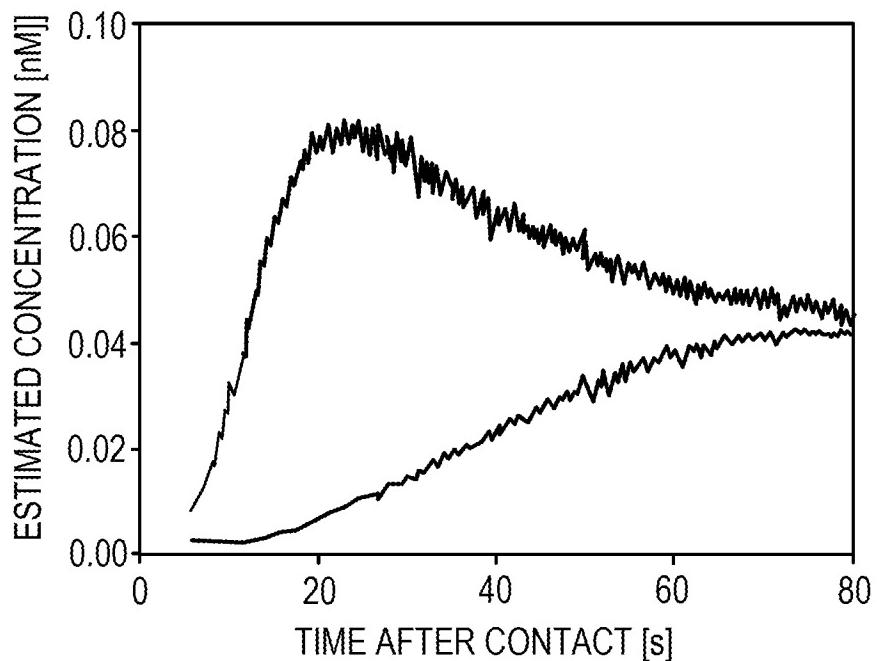
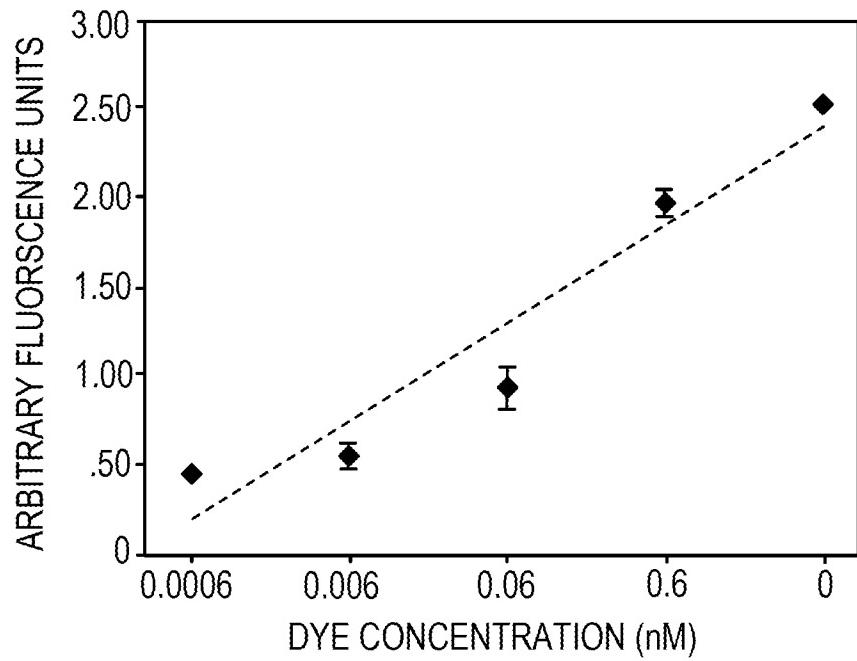
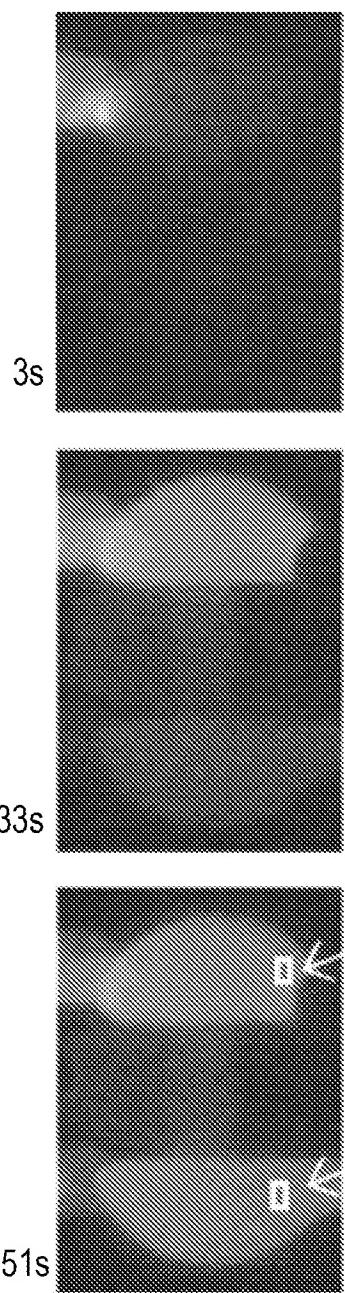


FIG. 5B

**FIG. 6A**



**FIG. 6B**



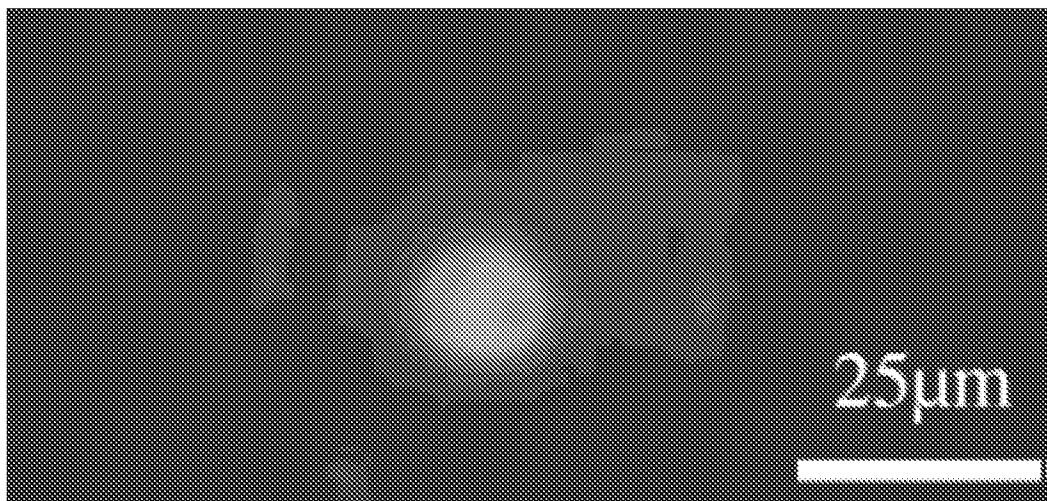
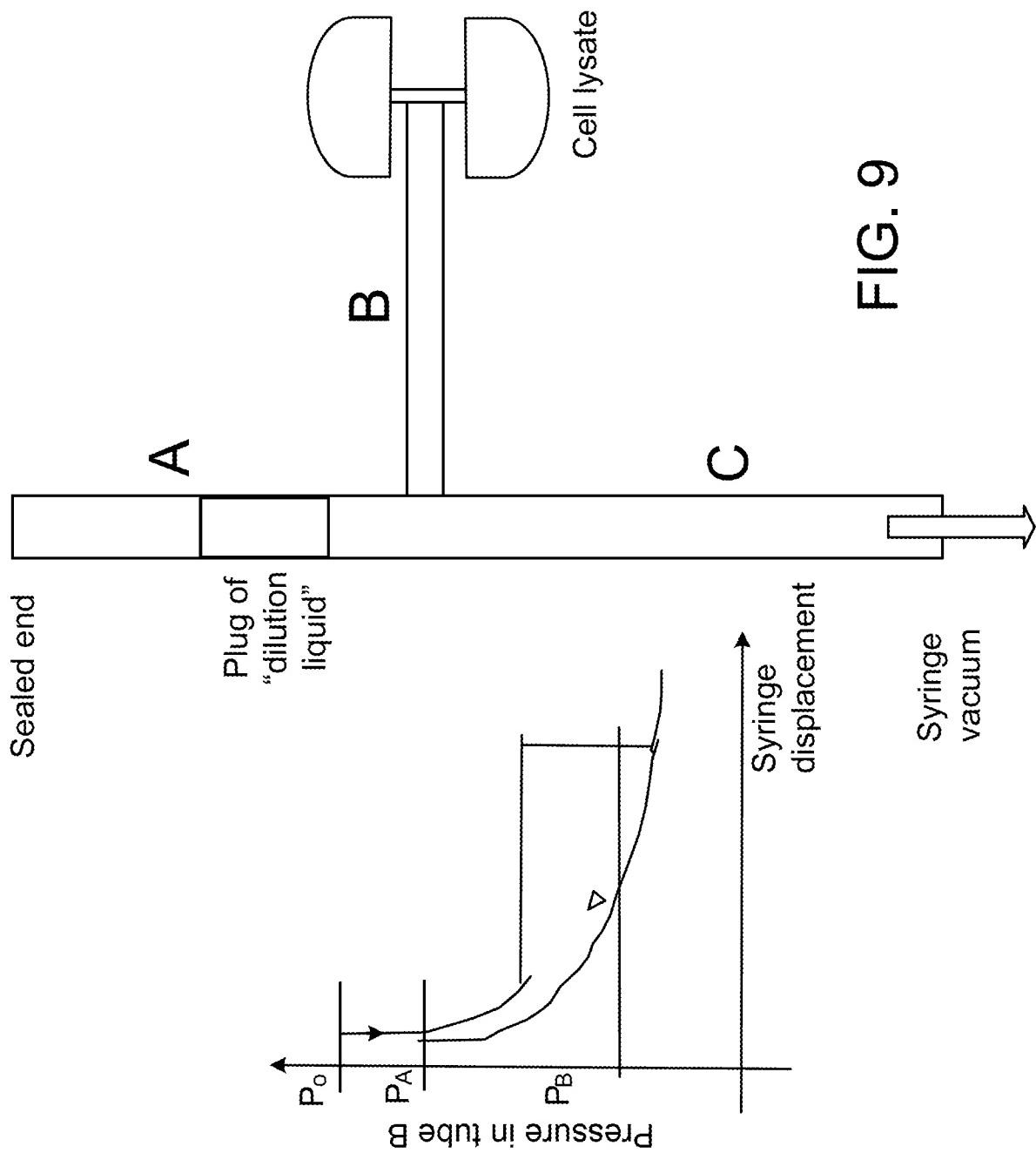


FIG. 8



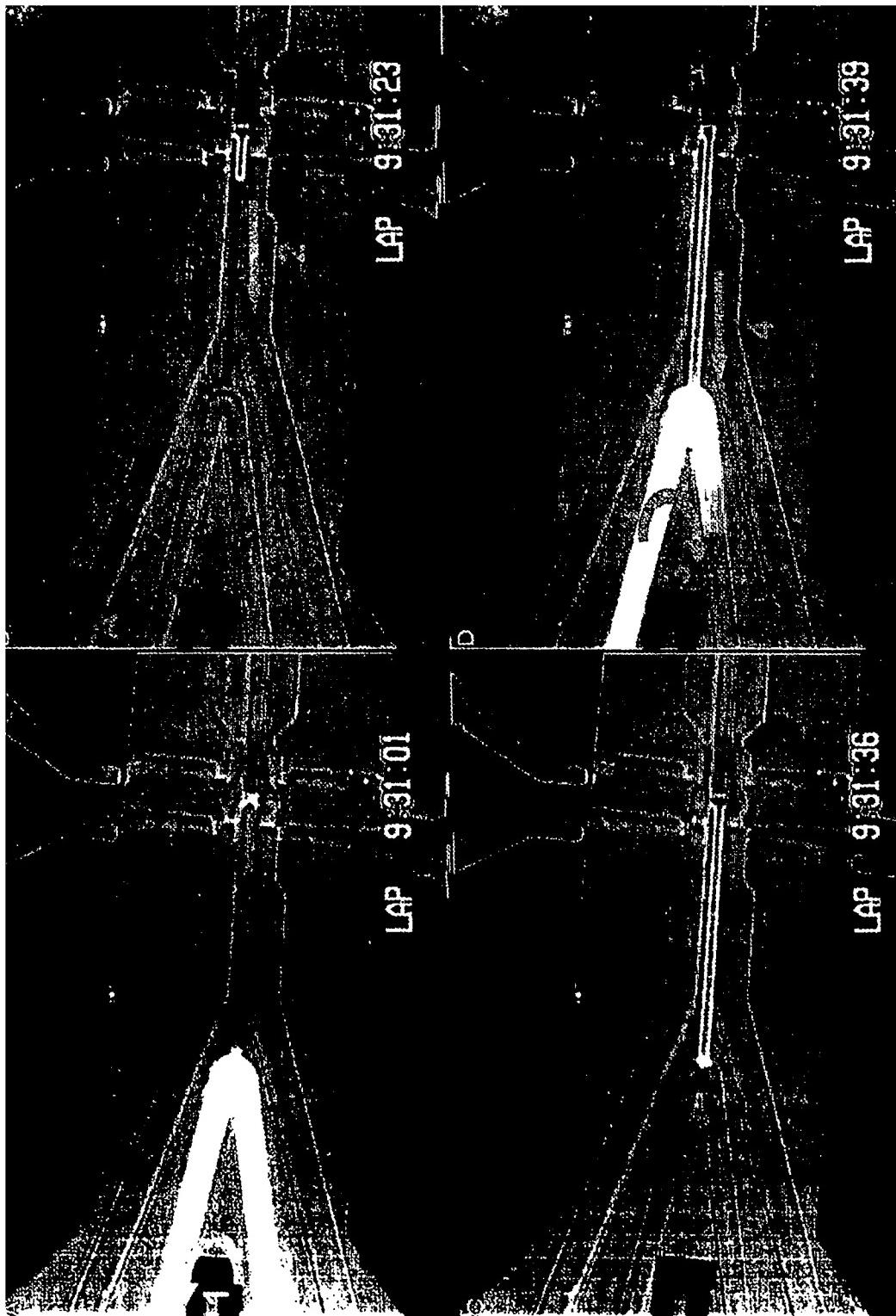


FIG. 10

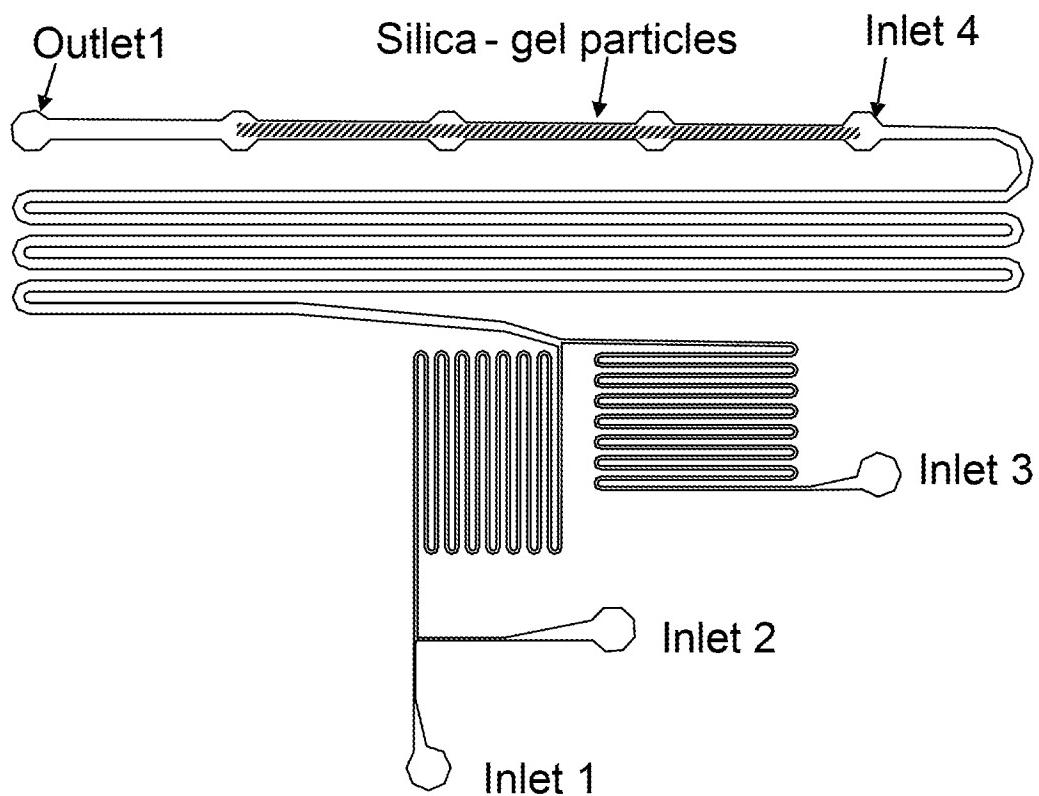


Beads can be manipulated using  
external magnetic fields



Beads covered with antibodies and cells

FIG. 11



**FIG. 12**

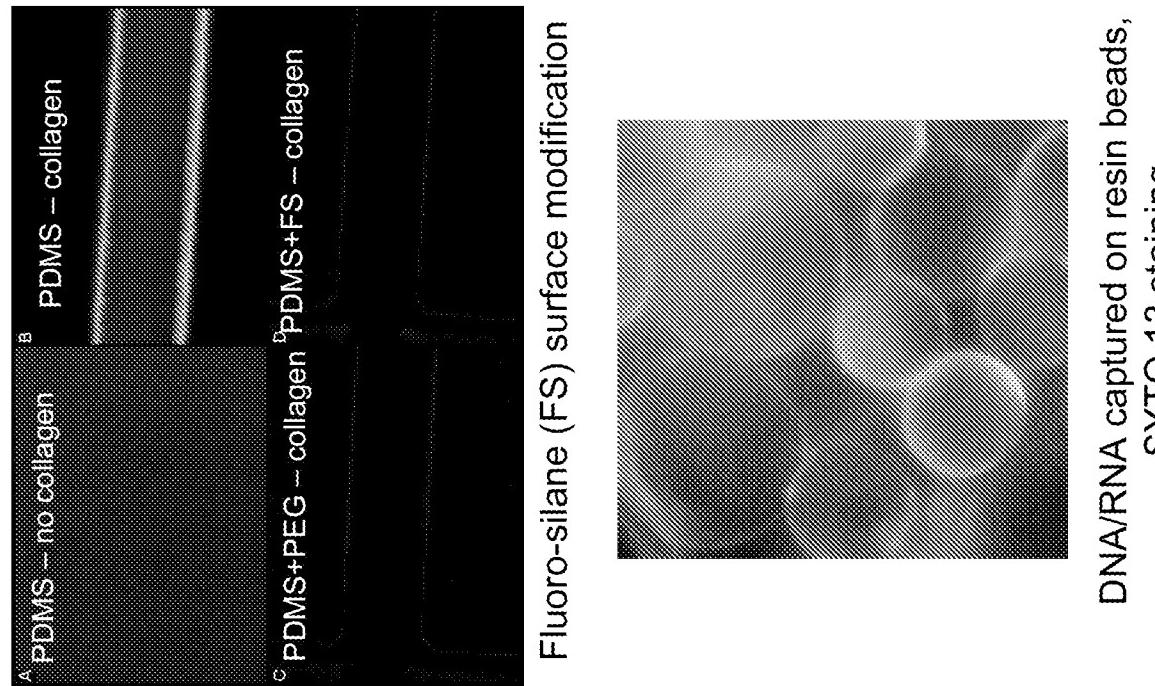
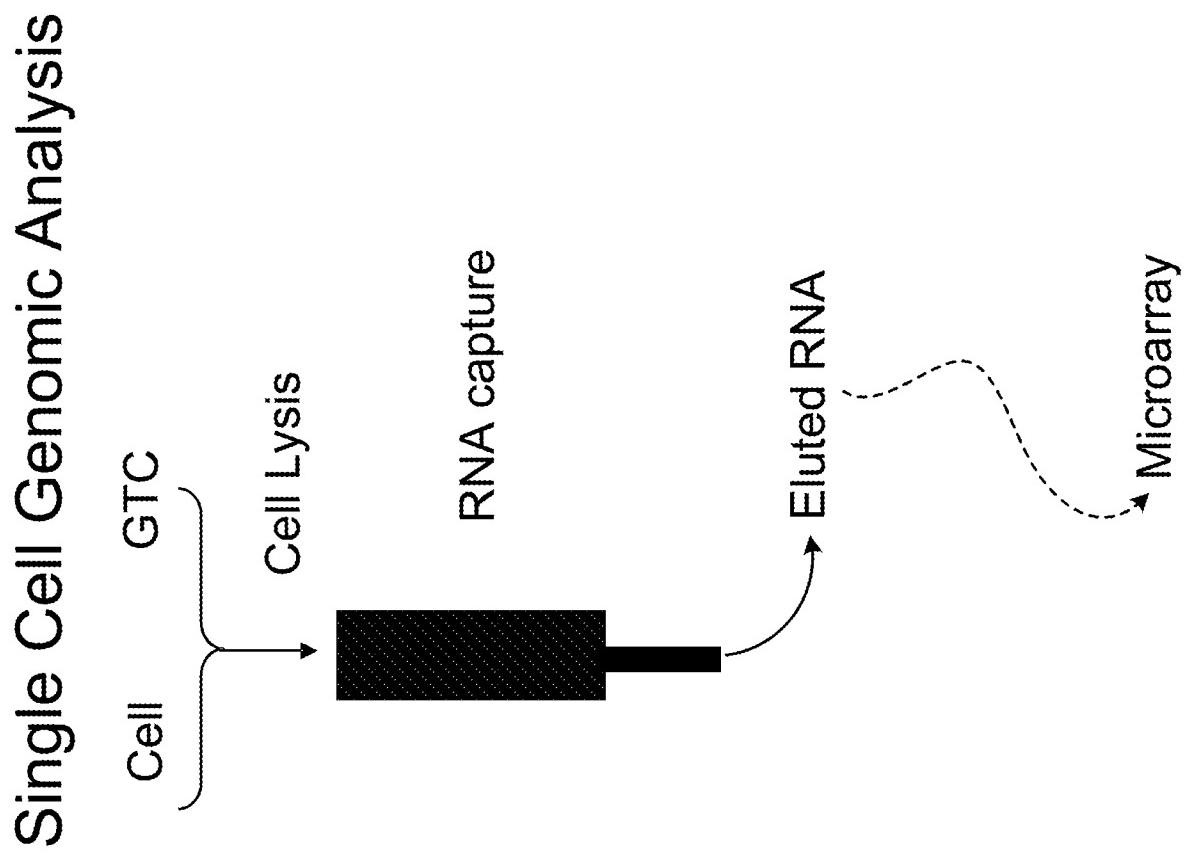


FIG. 13

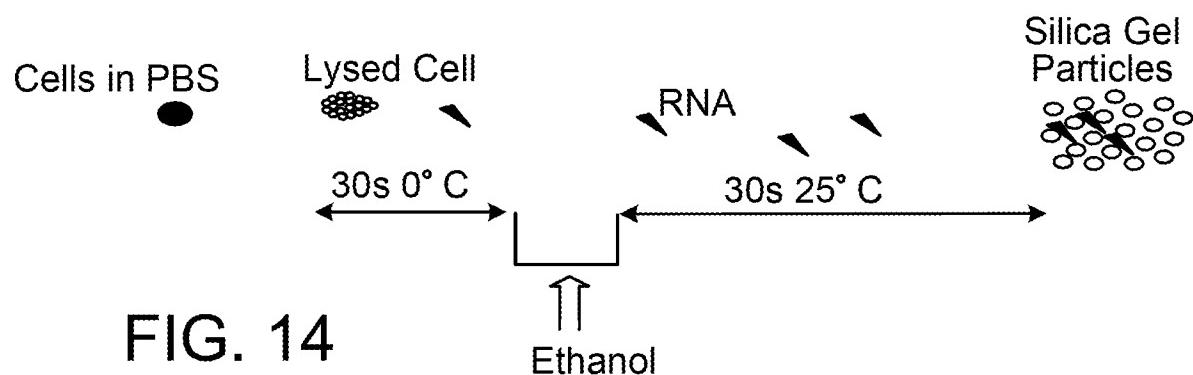


FIG. 14

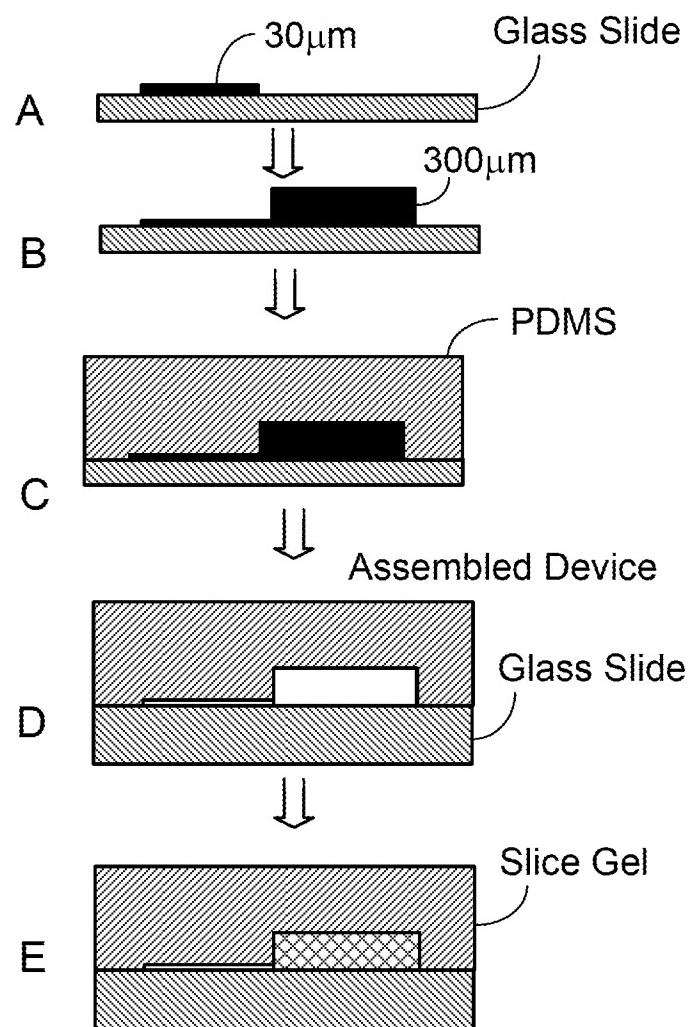
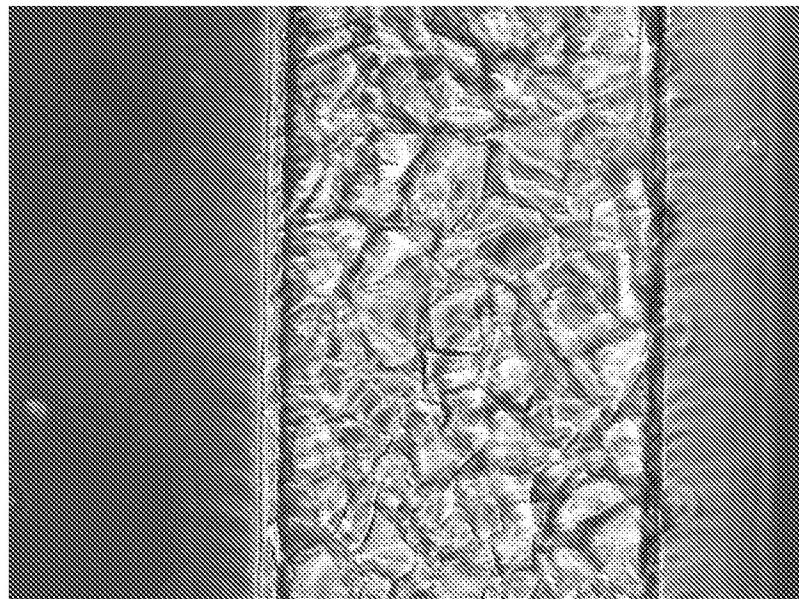
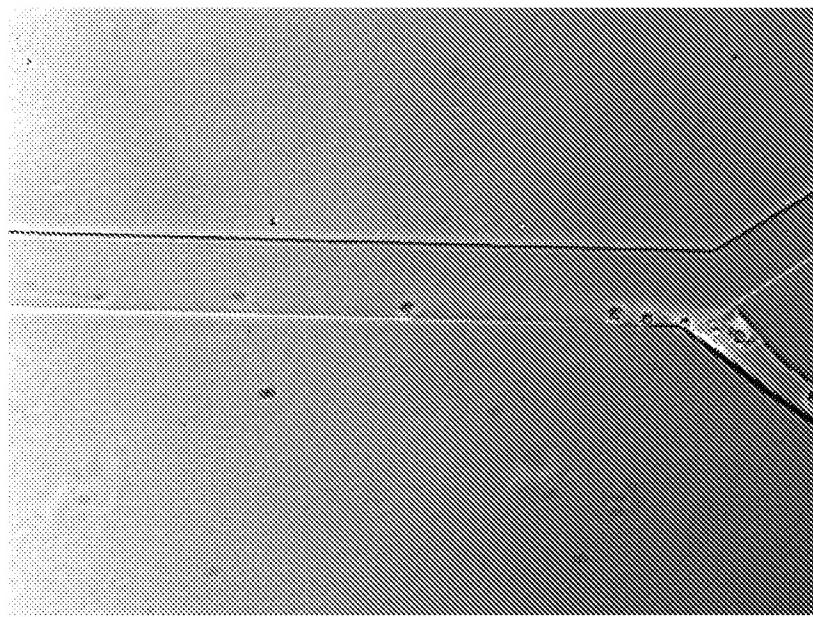


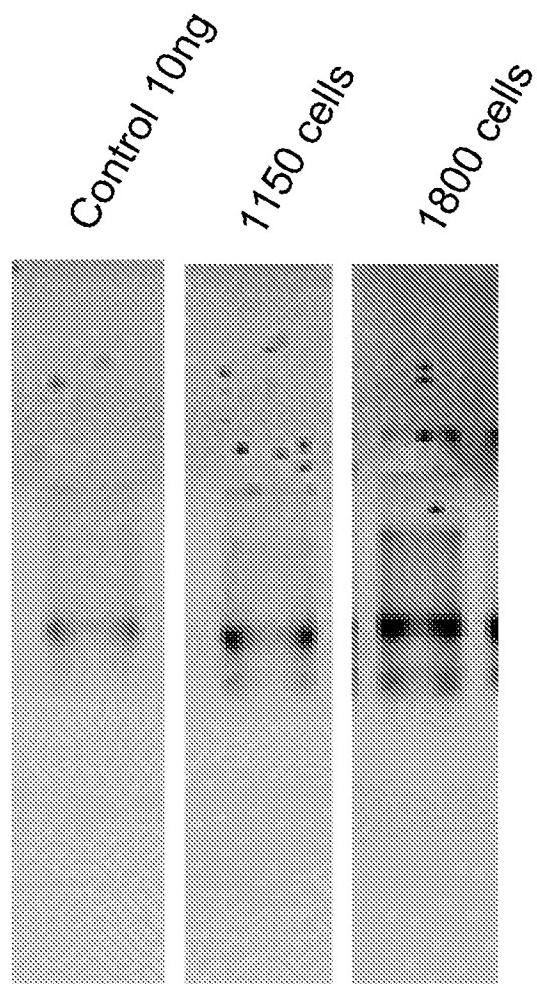
FIG. 15



**FIG. 16**



**FIG. 17**



RNA gel electrophoresis. Tracks for 10ng control, RNA isolated from 677 and 1200 B lymphoblastoma cells using the microfabricated device.

**FIG. 18**